

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-20 (Cancelled)

21. (Previously Presented) A heating and air-conditioning system for a motor vehicle having front and rear internal vehicle compartments, comprising:

- (a) a conditioning housing;
- (b) a first heat exchanger and a second heat exchanger operably integrated within said conditioning housing;
- (c) a plurality of air outlet openings in said conditioning housing for guiding air to front interior zones in the front internal vehicle compartment;
- (d) a connecting section on the outside of said conditioning housing;
- (e) an air outlet opening through said connecting section, said air outlet opening being in parallel air flow relationship with said first heat exchanger;
- (f) an additional member selectively mounted over said air outlet opening through said connecting section, said additional member being selected from the group consisting of
  - (i) a releasable cover for covering, in a tight, leak-proof manner, said air outlet opening through said connecting section; and
  - (ii) a rear vehicle compartment temperature control unit attached in a tight, leak-proof manner to said connecting section and in fluid communication with said conditioning housing via said air outlet opening through said connecting section, said rear temperature control unit comprising an additional housing and a third heat exchanger operably integrated in the additional housing; and

(g) connecting structure, associated with at least said connecting portion of said conditioning housing, for selectively and alternately attaching each of said additional members (i) and (ii) to said connecting section.

22. (Previously Presented) A heating and air-conditioning system as claimed in claim 21, wherein the motor vehicle further comprises rear interior zones in the rear internal vehicle compartment.

23. (Withdrawn) A heating and air-conditioning system as claimed in claim 21, wherein said rear temperature control unit comprises an air guiding arrangement leading from said conditioning housing to said rear interior zones.

24. (Previously Presented) A heating and air-conditioning system as claimed in claim 21, wherein said additional housing comprises at least one air control element.

25. (Previously Presented) A heating and air-conditioning system as claimed in claim 21, further comprising a partition separating said first heat exchanger into a left portion and a right portion.

26. (Previously Presented) A heating and air-conditioning system as claimed in claim 21, further comprising a partition separating at least one of said first and third heat exchangers into respective left and right portions.

27. (Previously Presented) A heating and air-conditioning system as claimed in claim 21, wherein said connecting structure associated with said connecting section for attaching said rear temperature control unit defines an area on said connecting section that is substantially larger than said air outlet opening.

28. (Previously Presented) A heating and air-conditioning system as claimed in claim 27, wherein said additional housing comprises an open housing section capable of tight, leak-proof attachment to said connecting section of said conditioning housing.

29. (Previously Presented) A heating and air-conditioning system as claimed in claim 21, wherein said connecting structure comprises flange members that are associated both with said connection section and with said rear temperature control unit and that correspond to each other and are capable of fitting together to connect said connecting section and said rear temperature control unit.

30. (Previously Presented) A heating and air-conditioning system as claimed in claim 21, further comprising a plurality of electrically activated positive temperature coefficient elements integrated in said first heat exchanger for water side temperature regulation.

31. (Previously Presented) A heating and air-conditioning system as claimed in claim 21, further comprising air flaps for regulating the flow of air through said first heat exchanger.

32. (Previously Presented) A heating and air-conditioning system as claimed in claim 21, wherein said removable cover and said rear temperature control unit include connecting structural arrangements, and said connecting structure comprises profiled flange arrangements on said connecting section for selectively and alternately cooperating in a mating manner with said connecting structural arrangements on said removable cover and on said rear temperature control unit.

33. (Previously Presented) A motor vehicle comprising a heating and air-conditioning system which comprises:

- (a) a conditioning housing;
- (b) a first heat exchanger and a second heat exchanger operably integrated within said conditioning housing;
- (c) a plurality of air outlet openings in said conditioning housing for guiding air to front interior zones of a motor vehicle;
- (d) a connecting section on the outside of said conditioning housing;
- (e) an air outlet opening through said connecting section, said air outlet opening being in parallel air flow relationship with said first heat exchanger;
- (f) an additional member selectively mounted over said air outlet opening through said connecting section, said additional member being selected from the group consisting of
  - (i) a releasable cover for covering, in a tight, leak-proof manner, said air outlet opening through said connecting section; and
  - (ii) a rear vehicle compartment temperature control unit attached in a tight, leak-proof manner to said connecting section and in fluid communication with said conditioning housing via said air outlet opening

through said connecting section, said rear temperature control unit comprising an additional housing and a third heat exchanger operably integrated in the additional housing; and

(g) connecting structure, associated with at least said connecting portion of said conditioning housing, for selectively and alternately attaching each of said additional members (i) and (ii) to said connecting section.

34. (Previously Presented) A conditioning housing assembly for a heating and air-conditioning system that can be adapted to produce either a two-zone, a three-zone or a four-zone system, comprising:

(a) a first heat exchanger and a second heat exchanger operably integrated within said conditioning housing;

(b) a connecting section on the outside of said conditioning housing;

(c) an air outlet opening through said connecting section, said air outlet opening being in parallel air flow relationship with said first heat exchanger; and

(d) connecting structure, associated with at least said connecting portion of said conditioning housing, for selectively and alternately attaching to said connecting section an additional member to be selectively mounted over said air outlet opening through said connecting section, said additional member being selected from the group consisting of

(i) a releasable cover for covering, in a tight, leak-proof manner, said air outlet opening through said connecting section; and

(ii) a rear vehicle compartment temperature control unit attached in a tight, leak-proof manner to said connecting section and in fluid communication with said conditioning housing via said air outlet opening through said connecting section, said rear temperature control unit comprising an additional housing and a third heat exchanger operably integrated in the additional housing.

35. (Previously Presented) A conditioning housing according to claim 21, wherein said connecting structure includes an arrangement selected from the group consisting of at least one of a bonding arrangement, a frictional arrangement and an interlocking arrangement.

36. (Previously Presented) A conditioning housing according to claim 34, wherein said connecting structure includes an arrangement selected from the group consisting of at least one of a bonding arrangement, a frictional arrangement and an interlocking arrangement.

37. (Previously Presented) A conditioning housing according to claim 34, wherein the air outlet opening has a periphery and wherein at least a portion of the connecting structure for attaching the additional member is located at the periphery of the air outlet opening.

38. (Previously Presented) A conditioning housing according to claim 34, wherein at least a portion of the connecting structure for attaching the additional member is located at a position spaced apart from the periphery of the air outlet opening.

39. (Previously Presented) A conditioning housing according to claim 34, wherein the connecting structure for selectively and alternately attaching the additional member comprises a first connecting structure section for attaching said releasable cover (i) and a second connecting structure section for attaching said rear vehicle compartment temperature control unit (ii), and wherein said second connecting structure section comprises a connecting structure portion that is not common to said first connecting structure section.

40. (Previously Presented) A conditioning housing according to claim 34, wherein the first heat exchanger is positioned downstream of the second heat exchanger in an air flow direction.